

e. **Remarks**

Applicants amend claim 1 to more clearly point out the invention being claimed.

**REJECTIONS UNDER 35 U.S.C. § 112**

**At page 2, the Office Action rejects claims 1 – 13 under 35 U.S.C. 112, 1st par.**

The amendment to claim 1 deletes “a convex region of the first surface being in contact with the top surface,” and inserts “the entire portion of the first surface between the defects being next to the top surface”. Present claim 1 is, e.g., supported by Figure 9 and between page 11, line 10, and page 12, line 15 of the specification. In particular, Figure 9 includes a group III-nitride semiconductor layer 122, a crystalline substrate 124, and threading defects 126. Also, in Figure 9, the entire portion of the bottom surface of semiconductor layer 122, which is between defects 126, is next to the top surface of substrate 126. That is, no structures intervene between part of this portion of the bottom surface of the semiconductor layer 122 and the top surface of the substrate 124. Due at least to this support, present claim 1 satisfies 35 U.S.C. § 112, 1<sup>st</sup> par.

Similarly, dependent claims 2 – 13 satisfy 35 U.S.C. § 112, 1<sup>st</sup> par.

**CONCLUSION**

Applicants request allowance of claims 1 – 13.

In the event of any non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Lucent Technologies Deposit Account No. 12-2325** as required to correct the error.

Respectfully,



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**b. Amendments to the Specification**

None

**c. Amendments to the Drawings**

None